

Attorney Docket No. 15308US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Christian Lutkemeyer

Serial No. 10/774,151

Filed: February 5, 2004

For: HARDWARE EFFICIENT
IMPLEMENTATION OF FINITE
IMPULSE RESPONSE FILTERS
WITH LIMITED RANGE INPUT
SIGNALS

Group Art Unit: 2819

Confirmation No.: 7309

CERTIFICATE OF MAILING

I hereby certify that this correspondence is
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22313-1450 on

July 21, 2004

Fredrick T. French III
Reg. No. 52,524

**TRANSMITTAL OF
INFORMATION DISCLOSURE STATEMENT
AFTER APPLICATION FILING DATE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

ENCLOSURES

Enclosed are the following:

- * A completed form PTO/SB/08A which has one (1) page. Each reference listed in the enclosed form PTO/SB/08A not previously provided to or by the PTO in this application.
- * A copy of the printed reference listed in the enclosed form PTO/SB/08A and not previously provided to or by the PTO in this application. Four (4) references are enclosed.

FEE DETERMINATION

- * No fee is believed to be due because:
- * The applicant(s) believe(s) that this statement and enclosures are being filed before the first Office action on the merits has been mailed by the PTO. The basis of this belief is that no Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any additional fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

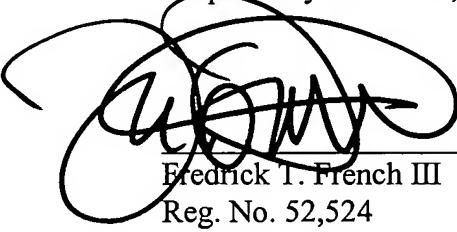
REQUEST FOR CONSIDERATION

This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above. The Examiner is requested to initial both copies of the enclosed PTO-1449 (modified) and return one copy to the applicants to indicate consideration of the enclosed references.

Dated:

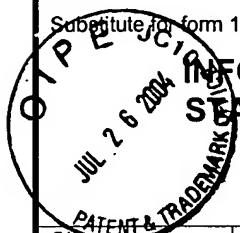
July 21, 2004

Respectfully submitted,



Frederick T. French III
Reg. No. 52,524
Attorney for applicant

McAndrews, Held & Malloy, Ltd.
34th Floor
500 West Madison Street
Chicago, IL 60661
(312) 775-8000

 Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet		1	of	1	Attorney Docket Number
					15308US01

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A1					
A2					
A3					
A4					
A5					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
A6						
A7						
A8						
A9						
A10						

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A11	MULTIPLIER, "The multiplier," pp. 9-1 to 9-18
	A12	COMPUTER SYSTEMS LABORATORY, STANFORD UNIVERSITY, "Lecture 9: Multipliers," pp. 9-1 to 9-27
	A13	http://www.electrotec.com/Gigabit_Explained.htm , "1000BASE-T OVERVIEW," November, 2003, pp. 1-5
	A14	http://www.elecdesign.com/Globals/PlanetEE/Content/2709.html , "Gigabit Ethernet PHY Chip Sets LAN Speed Record For CopperStory," November 1998, pp. 1-6
	A15	

EXAMINER SIGNATURE		DATE CONSIDERED	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.